

FIG. 1

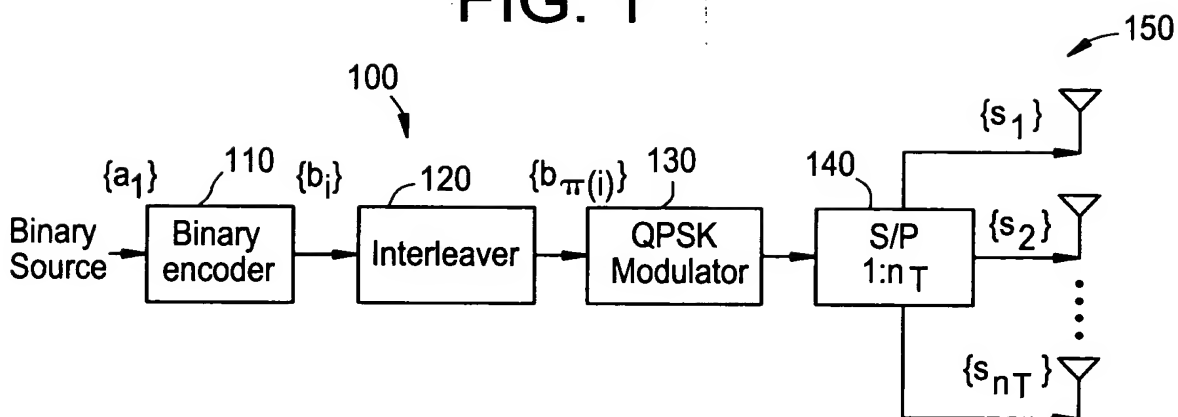


FIG. 2

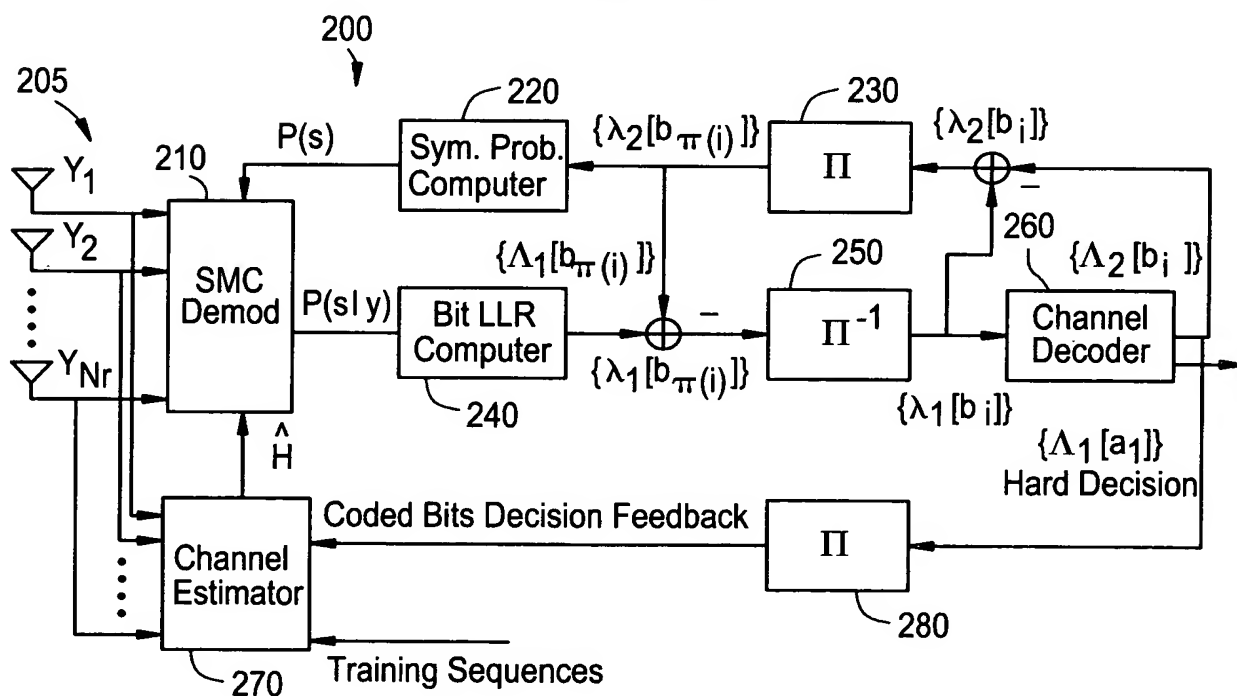


FIG. 3

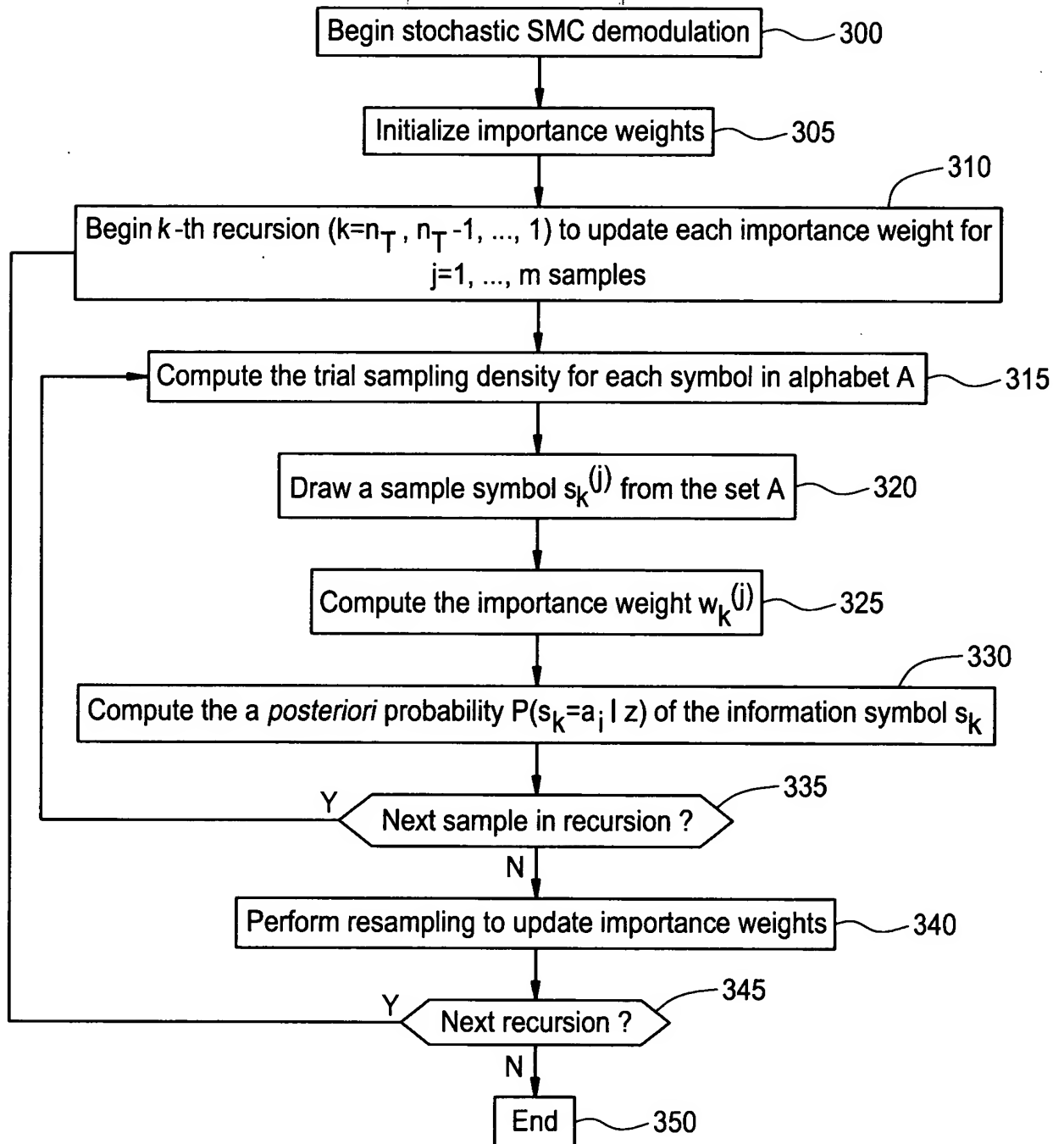


FIG. 4

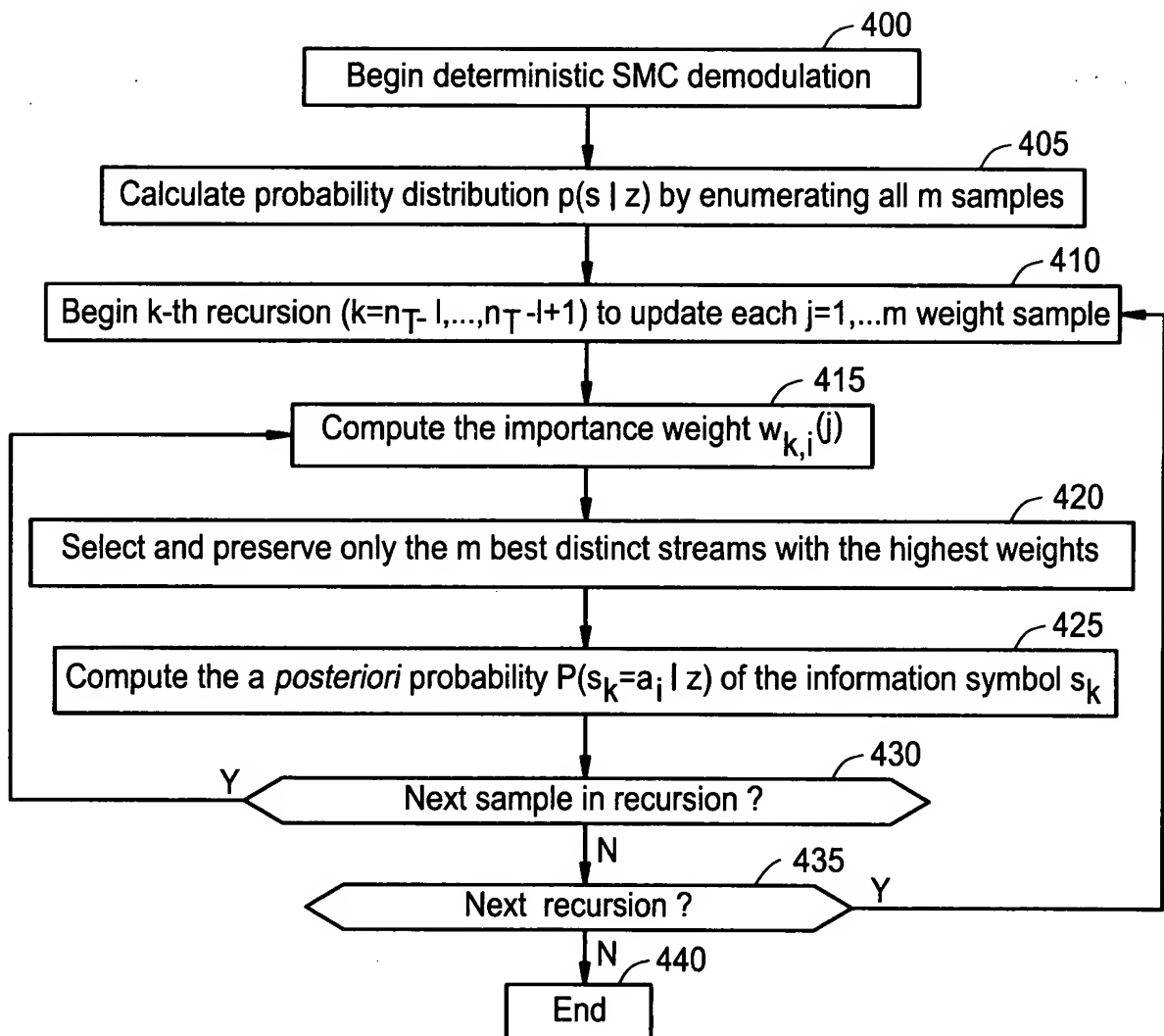
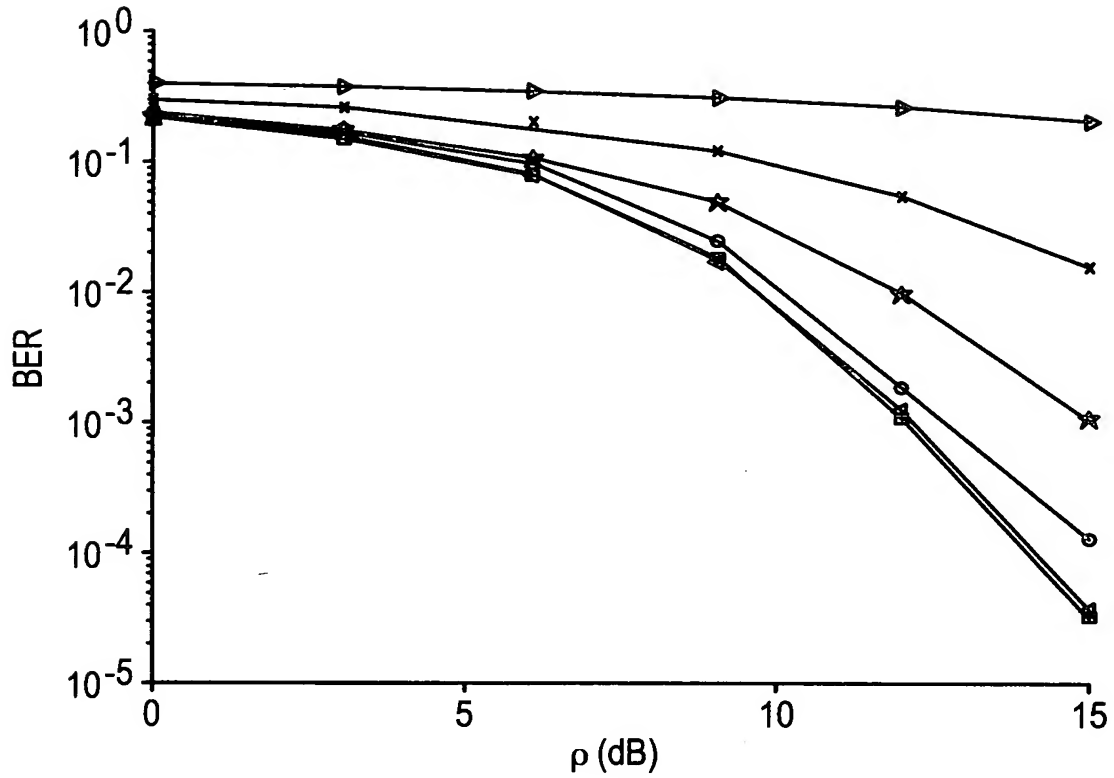


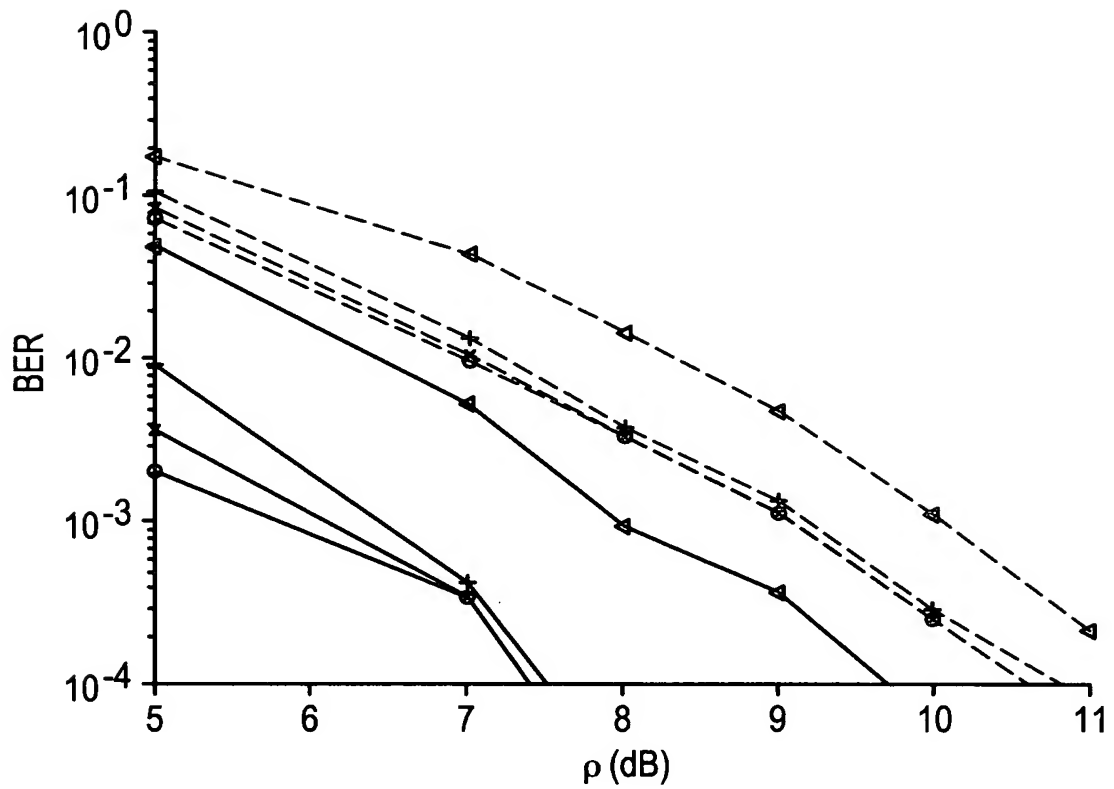
FIG. 5



- ▶ simple nulling/cancellation
- * zero-forcing nulling/cancellation w/ordering
- ★ MMSE nulling/cancellation w/ordering
- stochastic SMC
- deterministic SMC
- ◀ sphere decoding

FIG. 6

Stochastic SMC turbo receiver, pilot only



- ◁— Iter 1, ch. known
- +— Iter 2, ch. known
- *— Iter 3, ch. known
- ◊— Iter 4, ch. known
- ◁— Iter 1, ch. est.
- +— Iter 2, ch. est.
- *— Iter 3, ch. est.
- ◊— Iter 4, ch. est.

FIG. 7

Stochastic SMC turbo receiver, pilot + feedback

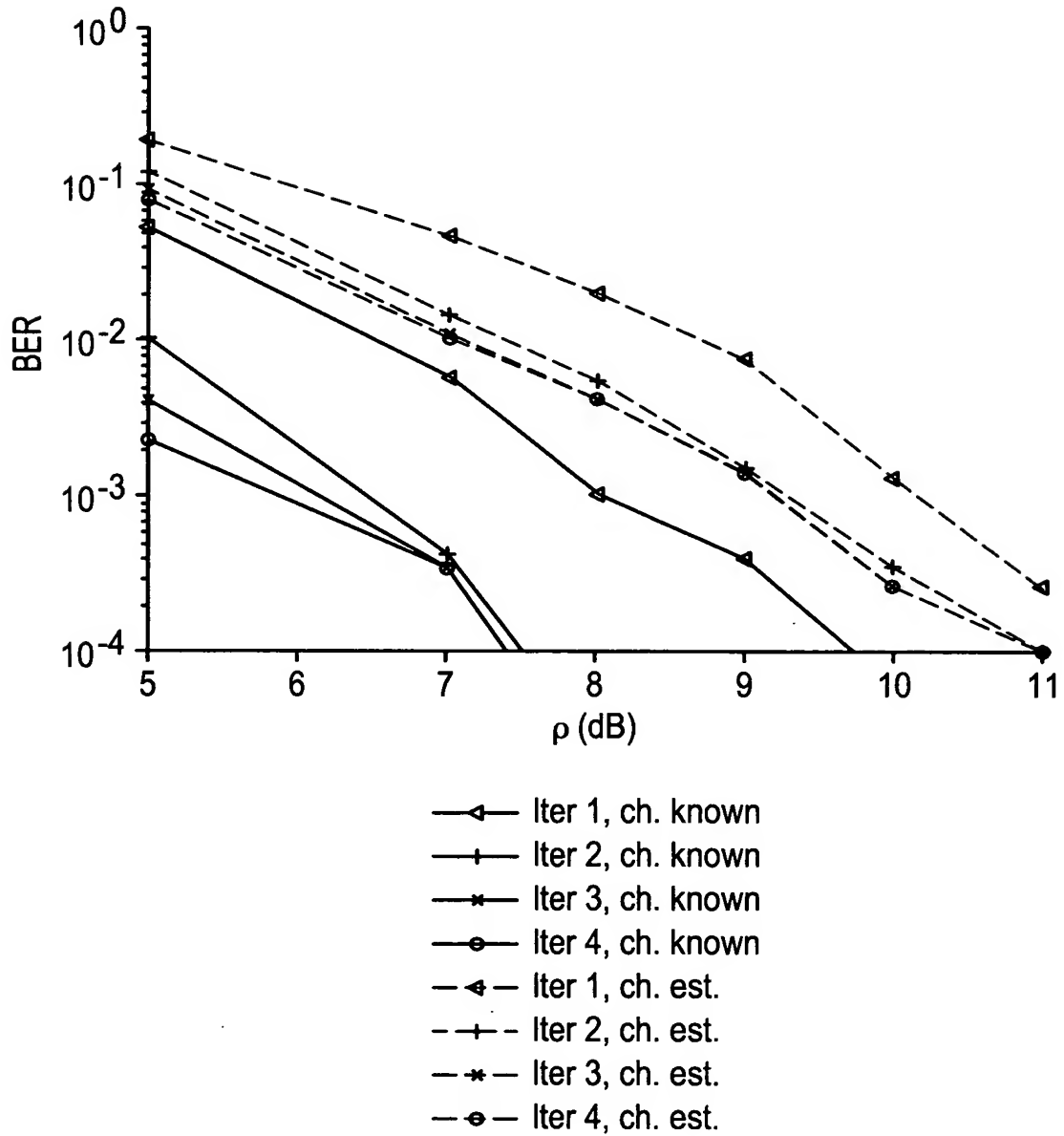
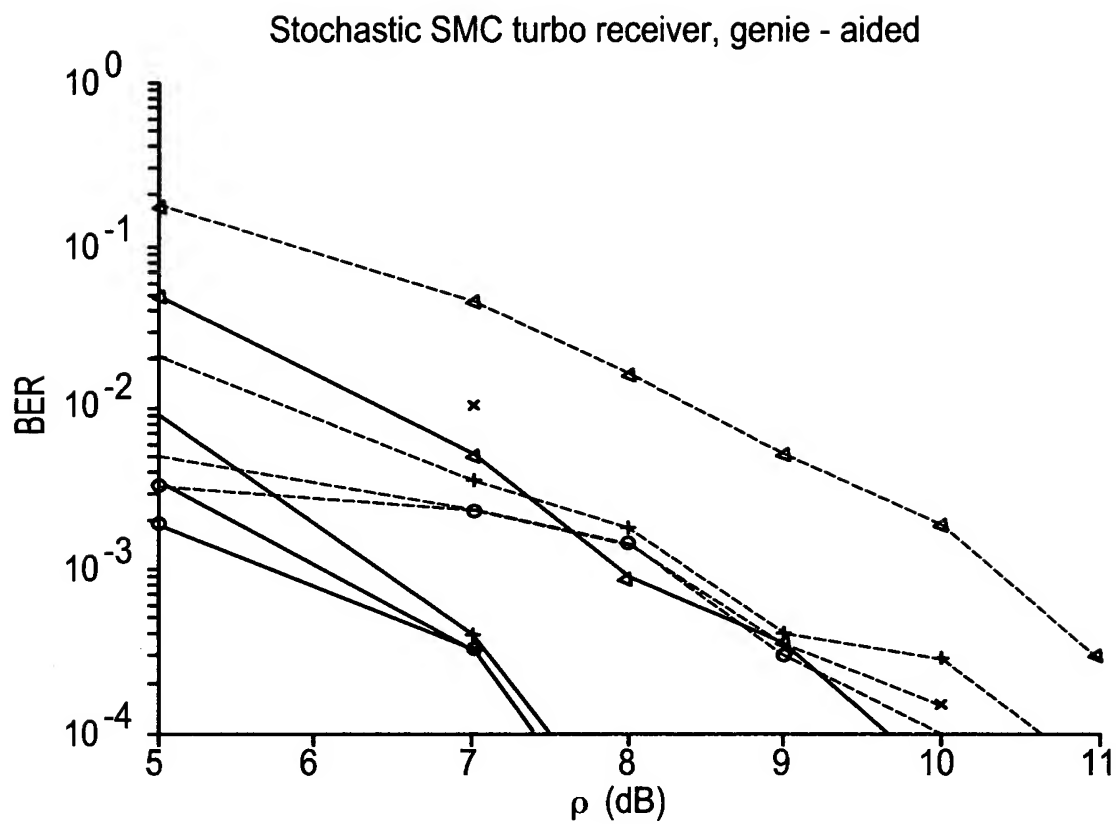
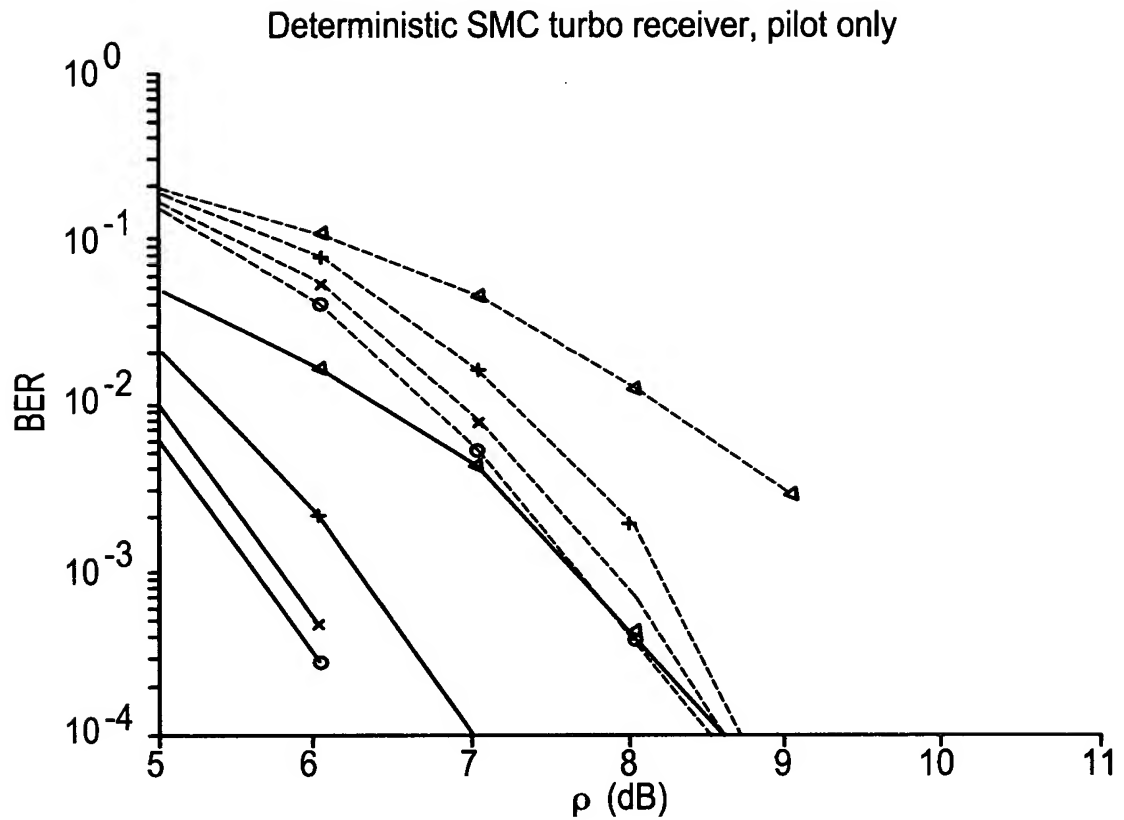


FIG. 8



- ◁— Iter 1, ch. known
- +— Iter 2, ch. known
- *— Iter 3, ch. known
- Iter 4, ch. known
- ◁— Iter 1, ch. est.
- +— Iter 2, ch. est.
- *— Iter 3, ch. est.
- Iter 4, ch. est.

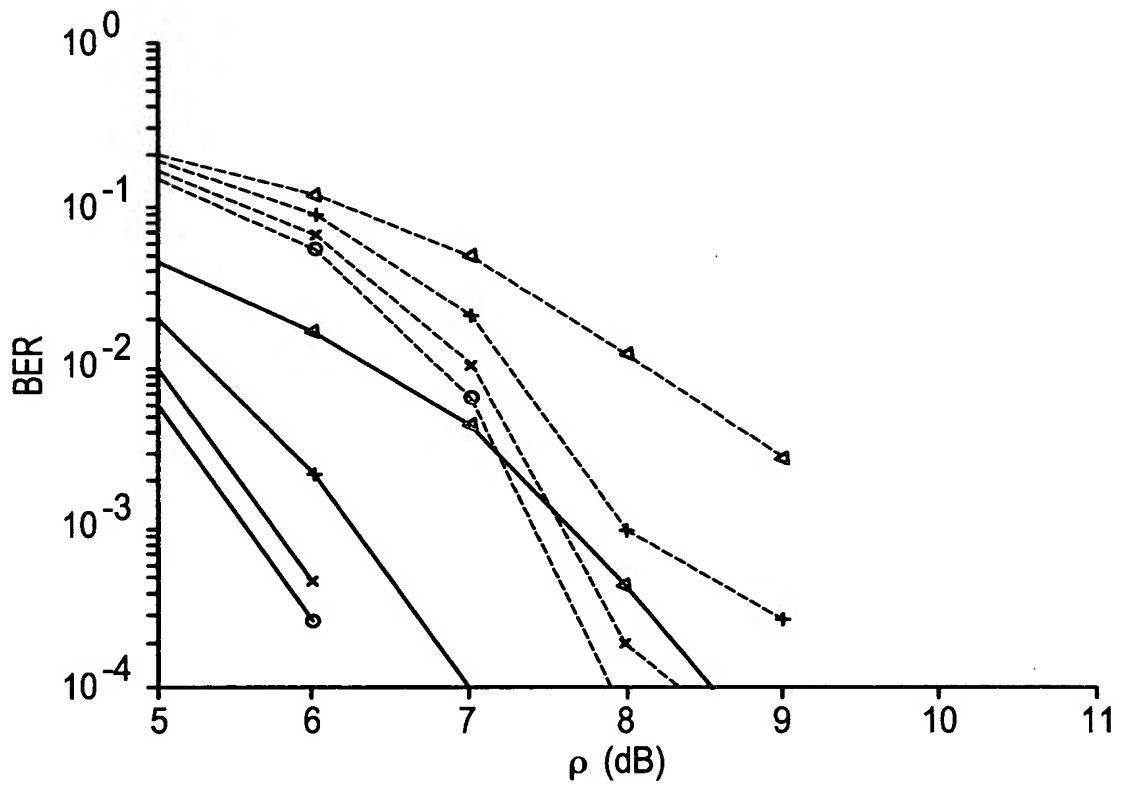
FIG. 9



- ◁— Iter 1, ch. known
- +— Iter 2, ch. known
- *— Iter 3, ch. known
- ◉— Iter 4, ch. known
- - ◁ - - Iter 1, ch. est.
- - + - - Iter 2, ch. est.
- - * - - Iter 3, ch. est.
- - ◉ - - Iter 4, ch. est.

FIG. 10

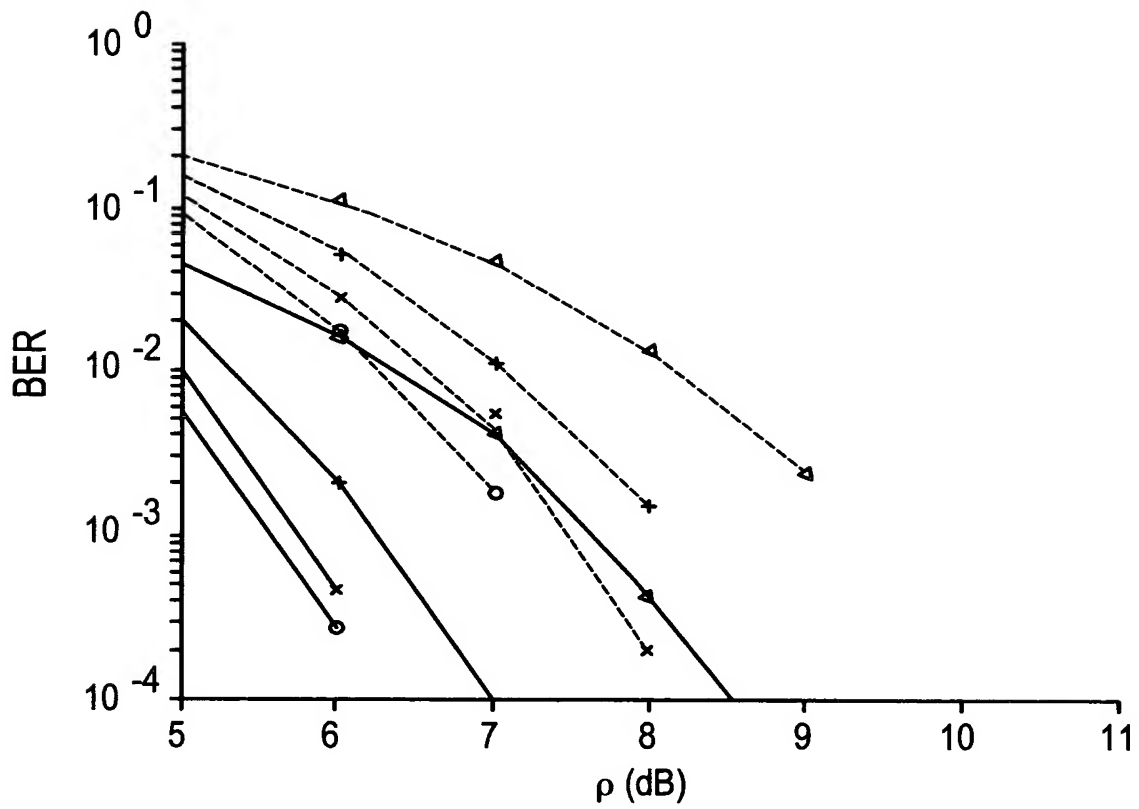
Deterministic SMC turbo receiver, pilot + feedback



- ◄— Iter 1, ch. known
- +— Iter 2, ch. known
- *— Iter 3, ch. known
- ◉— Iter 4, ch. known
- -◄- - Iter 1, ch. est.
- -+ - - Iter 2, ch. est.
- -* - - Iter 3, ch. est.
- -◉- - Iter 4, ch. est.

FIG. 11

Deterministic SMC turbo receiver, genie - aided



- △— Iter 1, ch. known
- +— Iter 2, ch. known
- x— Iter 3, ch. known
- Iter 4, ch. known
- -△- - Iter 1, ch. est.
- -+ - - Iter 2, ch. est.
- -x - - Iter 3, ch. est.
- -○ - - Iter 4, ch. est.